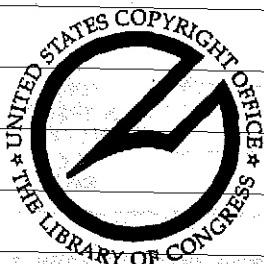


# **EXHIBIT O**

# **PART 1**

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM TX**

For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-057



TXu036057

**EFFECTIVE DATE OF REGISTRATION**

JUN 14 2002

Month Day Year

OFFICIAL SEAL

**REGISTER OF COPYRIGHTS**  
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**1****TITLE OF THIS WORK ▼**

Cisco IOS 11.0

**PREVIOUS OR ALTERNATIVE TITLES** Cisco IOS Release 11.0; Cisco IOS Version 11.0; Cisco Internetwork Operating System 11.0; Cisco Internetwork Operating System Release 11.0; Cisco Internetwork Operating System Version 11.0**PUBLICATION AS A CONTRIBUTION** If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼

Number ▼

Issue Date ▼

On Pages ▼

**2****NAME OF AUTHOR ▼**

a Cisco Systems, Inc.

**DATES OF BIRTH AND DEATH**

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes No**AUTHOR'S NATIONALITY OR DOMICILE**  
Name of Country

OR Citizen of ▶ Domiciled in ▶

United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b Was this contribution to the work a "work made for hire"?

 Yes No**AUTHOR'S NATIONALITY OR DOMICILE**  
Name of Country

OR Citizen of ▶ Domiciled in ▶

United States

**DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼**NAME OF AUTHOR ▼****DATES OF BIRTH AND DEATH**

Year Born ▼ Year Died ▼

**NAME OF AUTHOR ▼****WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼**3****YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED**

1995

This information must be given in all cases.

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**

Complete this information ONLY if this work has been published. Month ▶ Day ▶ Year ▶ Nation ▶

**4****COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼Cisco Technology, Inc.  
170 West Tasman Drive  
San Jose, CA 95134**TRANSFER** If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

DO NOT WRITE HERE

ONE DEPOSIT RECEIVED

JUN 14 2002

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CORRESPONDENCE

 YesFOR  
COPYRIGHT  
OFFICE  
USE  
ONLY

## DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

- Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▶
- a.  This is the first published edition of a work previously registered in unpublished form.
  - b.  This is the first application submitted by this author as copyright claimant.
  - c.  This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number ▶

Year of Registration ▶

5

## DERIVATIVE WORK OR COMPILED

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▶

## Prior works by claimant and preexisting third party computer code

a 6

See instructions  
before completing  
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▶

b

New and revised computer code and accompanying documentation

## DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▶

Account Number ▶

a 7

## CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▶

Tu T. Tsao, Esq.

Fenwick &amp; West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶

(650) 494-1417

Email ▶

tttsao@fenwick.com

## CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

b 8

Typed or printed name and date ▶ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶



Handwritten signature (optional)

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▶	Susanne S. Morales, Paralegal / Fenwick & West LLP
Number/Street/Apt ▶	2 Palo Alto Square
City/State/Zip ▶	Palo Alto, CA 94306

## YOU MUST

- Complete all necessary spaces
- Sign your application in space 6

SEND ALL 3 ELEMENTS  
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101 Independence Avenue, S.E.  
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9

\*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

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June 1989 - 200,000  
WEB REV: June 1999

# CONTINUATION SHEET FOR APPLICATION FORMS

**FORM TX /CON**

UNITED STATES COPYRIGHT OFFICE

TXU 1-036-057

\*TM-001036857\*

P	A	P	A	U	S	E	G	S	E	S	R	S	R	T	X	U	V	A	V	A
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Page 3 of 4 pages

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**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.0

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

**A**  
Identification  
of  
Application

**NAME OF AUTHOR ▼**  
(See Space C)

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

**d**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

Yes  
 No

OR Citizen of ►

Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK**

Anonymous?  Yes  No

If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Pseudonymous?  Yes  No

**B**  
Continuation  
of Space 2

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

**e**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

Yes  
 No

OR Citizen of ►

Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK**

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"Yes," see detailed  
instructions.

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**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

**f**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

Yes  
 No

OR Citizen of ►

Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK**

Anonymous?  Yes  No

If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Pseudonymous?  Yes  No

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

CONTINUATION OF (Check which):  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing, Inc.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
Bev Talbott	No	United States	Yes	No	Documentation

C  
Continuation  
of other  
Spaces

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼  
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

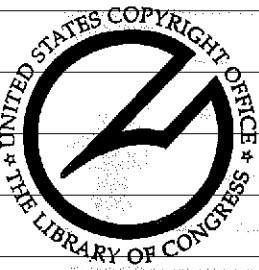
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• Complete all necessary spaces  
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3. Deposit Material

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Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20599-0000

D  
Fees are effective through June 30, 2002. After that date, check the Copyright office Website at [www.loc.gov/copyright](http://www.loc.gov/copyright) or call (202) 707-3000 for current fee information.

**CERTIFICATE OF REGISTRATION**

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**FORM TX**  
For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

TX 5-531-435



TX 00003531435\*

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

OFFICIAL SEAL

REGISTER OF COPYRIGHTS  
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.1

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.1; Cisco IOS Version 11.1; Cisco Internetwork Operating System 11.1; Cisco Internetwork Operating System Release 11.1; Cisco Internetwork Operating System Version 11.1

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. / Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼

Number ▼

Issue Date ▼

On Pages ▼

2

NAME OF AUTHOR ▼

Cisco Systems, Inc.

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

 No

OR Citizen of ▶

Domiciled in ▶

United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  NoPseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

NOTE

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

b

Was this contribution to the work a "work made for hire"?

 Yes

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

 No

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

c

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

 No

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given ▶ Year in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ▶ Month ▶ February Day ▶ 28 Year ▶ 1996 ▶ Nation ▶ United States

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.  
170 West Tasman Drive  
San Jose, CA 95134

See instructions before completing this space.

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

APPLICATION RECEIVED JUN 14 2002 July 16, 2002

ONE DEPOSIT RECEIVED JUN 14 2002

TWO DEPOSITS RECEIVED

FUND RECEIVED

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MORE ON BACK ▶ Complete all applicable spaces (numbers 5-9) on the reverse side of this page.  
▪ See detailed instructions. ▶ Sign the form at line 8.

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Page 1 of 4 pages

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FORM TX

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## CORRESPONDENCE

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PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

 Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a.  This is the first published edition of a work previously registered in unpublished form.  
 b.  This is the first application submitted by this author as copyright claimant.  
 c.  This is a changed version of the work, as shown by space 8 on this application.

If your answer is "Yes," give Previous Registration Number ▶

Pending

Year of Registration ▶

2002

5

## DERIVATIVE WORK OR COMPILED

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions  
before completing  
this space.Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼  
New and revised computer code

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.  
Name ▶ Account Number ▶

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▶

To T. Tsao, Esq.  
Fenwick & West LLP  
2 Palo Alto Square  
Palo Alto, CA 94306

Area code and daytime telephone number ▶ (650) 858-7696

Fax number ▶

(650) 494-1417

Email ▶ ttsao@fenwick.com

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

 author other copyright claimant owner of exclusive rights authorized agent of Cisco Technology, Inc.

Name of party or other copyright claimant, or owner of exclusive rights ▶

8

Typed or printed name and date ▶ If this application gives a date of publication in space 9, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶

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envelope  
to this  
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Number/Business ▶  
2 Palo Alto Square  
City/State/Zip ▶  
Palo Alto, CA 94306YOU MUST  
• Complete all requested information  
• Sign your application in space 9  
• Send to U.S. Copyright Office  
• Application fee in check or money order. All fees  
are payable to Register of Copyrights  
• Deposit required  
• Mail to:  
U.S. Copyright Office  
101 Independence Avenue, E.S.  
Washington, D.C. 20559-6000  
Fee for  
Form TX  
is \$80.

9

17 U.S.C. § 504(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 406, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.  
JULY 1998, 200,000  
WEB REV: June 1998

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**FORM TX /CON**

UNITED STATES COPYRIGHT OFFICE

R

TX 5-531-435

11x00055314359

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(Month) (Day) (Year)

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Page 3 of 4 pages

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**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE: (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.1

**A**  
Identification  
of  
Application

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

**NAME OF AUTHOR ▼**

d (See Space C)

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

**B**

Continuation  
of Space 2

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE  
a "work made for hire"? Name of County

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

**WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK**

Anonymous?  Yes  No If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Pseudonymous?  Yes  No

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

e

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- Yes  
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OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

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**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼

Year Died▼

f

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a "work made for hire"? Name of County

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

**WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK**

Anonymous?  Yes  No If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Pseudonymous?  Yes  No

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the  
continuation of Space 1 on any of the Short Forms PA, TX, or VA.

**CONTINUATION OF** (Check which):  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Energetic Systems	Yes	United States	Yes	No	Computer code	
Metaplex, Inc.	Yes	United States	Yes	No	Computer code	
Nano Solutions	Yes	United States	Yes	No	Documentation	
Bev Talbott	No	United States	Yes	No	Documentation	

C

Continuation of other spaces (check which):  Space 1  Space 4  Space 6  Space 2b

Continuation of other spaces (check which):  Space 1  Space 4  Space 6  Space 2b

Continuation of other spaces (check which):  Space 1  Space 4  Space 6  Space 2b

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Continuation of other spaces (check which):  Space 1  Space 4  Space 6  Space 2b

Continuation of other spaces (check which):  Space 1  Space 4  Space 6  Space 2b

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• Sign your application

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3. Deposit Material

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D

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will be  
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address:

Name  Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apartment

2 Palo Alto Square

City/State/Zip

Palo Alto, CA 94306

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This Certificate Issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM CA**

For Supplementary Registration  
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXU 1-048-569



EFFECTIVE DATE OF SUPPLEMENTARY REGISTRATION

Aug. 20, 2002  
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

## Title of Work ▼

Cisco IOS 11.1

**A**

## Registration Number of the Basic Registration ▼

TX 5-531-435

## Year of Basic Registration ▼

2002

## Name(s) of Author(s) ▼

Cisco Systems, Inc.

## Name(s) of Copyright Claimant(s) ▼

Cisco Technology, Inc.

**B**

## Location and Nature of Incorrect Information in Basic Registration ▼

Line Number 3b

Line Heading or Description

Date and Nation of First Publication of this Particular Work

## Incorrect Information as It Appears in Basic Registration ▼

February 28, 1996; United States

## Corrected Information ▼

N/A (please delete)

## Explanation of Correction ▼

The work is unpublished.

**C**

## Location and Nature of Information in Basic Registration to be Amplified ▼

Line Number \_\_\_\_\_

Line Heading or Description \_\_\_\_\_

## Amplified Information and Explanation of Information ▼

MORE ON BACK ▶ • Complete all applicable spaces (D-G) on the reverse side of this page.  
 • See detailed Instructions.  
 • Sign the form at Space F.

DO NOT WRITE HERE  
 Page 1 of \_\_\_\_\_ pages

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FORM CA

AUG 20 2002

FUNDS RECEIVED DATE

AUG 20 2002

EXAMINED BY

TMS

CORRESPONDENCE □

FOR  
COPYRIGHT  
OFFICE  
USE  
ONLYREFERENCE TO THIS REGISTRATION ADDED TO  
BASIC REGISTRATION  YES  NO**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**Continuation of:  Part B or  Part C

Line Number: 5 Line Heading or Description: Previous Registration

D

Incorrect Information as It Appears in Basic Registration: Box C unchecked

Corrected Information: Box C checked

Explanation of Correction: This work is a changed version.

Line Number: 2b Line Heading or Description: Name of Author

Incorrect Information as It Appears In Basic Registration: No entry

Corrected Information: See Attached Form TX/CON for Additional Authors

Explanation of Correction: Additional authors on Form TX/CON

Correspondence: Give name and address to which correspondence about this application should be sent.

Tu T. Tsao, Esq.  
Fenwick & West LLP  
2 Palo Alto Square  
Palo Alto, CA 94306

Phone (650) 858-7696

Fax (650) 494-1417

Email tttsao@fenwick.com

Deposit Account: If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name \_\_\_\_\_

Account Number \_\_\_\_\_

Certification I, the undersigned, hereby certify that I am the: (Check only one)

 author  owner of exclusive right(s)  
 other copyright claimant  duly authorized agent of Cisco Technology, Inc.Name of author or other copyright claimant, or owner of exclusive right(s) A  
of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name ▼ Tu T. Tsao

Date ▼ 8/19/15

Handwritten signature (X) ▼

Tu T. Tsao

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP  
 Number/Street/Apt ▼ 2 Palo Alto Square  
 City/State/Zip ▼ Palo Alto, CA 94306

**YOU MUST**

- Complete all necessary spaces
- Sign your application in Space F

**SEND ALL ELEMENTS IN THE SAME PACKAGE**

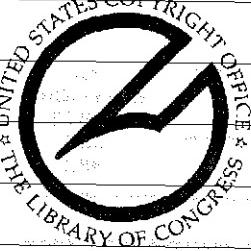
1. Application form
2. Non-refundable filing fee in check or money order payable to Register of Copyrights

**MAIL TO**

Library of Congress  
 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20559-6000

Forms are subject to  
change without notice  
and may not be  
used after the  
Copyright Office  
website at  
www.copyright.gov  
or the U.S. Copyright  
Office, or after  
(CH) 2014-3606.

17U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

**CERTIFICATE OF REGISTRATION****FORM TX**For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

TXU 1-036-063



TAX 101026023

**EFFECTIVE DATE OF REGISTRATION****JUN 14 2002**

Month

Day

Year

**OFFICIAL SEAL****REGISTER OF COPYRIGHTS**  
United States of America**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****1****TITLE OF THIS WORK ▼**

Cisco IOS 11.2

**PREVIOUS OR ALTERNATIVE TITLES ▼** Cisco IOS Release 11.2; Cisco IOS Version 11.2; Cisco Internetwork Operating System 11.2; Cisco Internetwork Operating System Release 11.2; Cisco Internetwork Operating System Version 11.2**PUBLICATION AS A CONTRIBUTION** If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work ▼**If published in a periodical or serial give: **Volume ▼** **Number ▼** **Issue Date ▼** **On Pages ▼****2****NAME OF AUTHOR ▼**

a Cisco Systems, Inc.

**DATES OF BIRTH AND DEATH**

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ▶

Domiciled in ▶ United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**Anonymous?  Yes  NoPseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see Instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

**b****NAME OF AUTHOR ▼**

See Attached Form TX/CON for Additional Authors

**DATES OF BIRTH AND DEATH**

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ▶

Domiciled in ▶

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**Anonymous?  Yes  NoPseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**c****NAME OF AUTHOR ▼**Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ▶

Domiciled in ▶

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**Anonymous?  Yes  NoPseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼**3****a****YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED**This information must be given  
1996 ▶ Year in all cases.**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**

Complete this information ONLY if this work has been published. Month ▶ Day ▶ Year ▶ Nation ▶

**4****COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼Cisco Technology, Inc.  
170 West Tasman Drive  
San Jose, CA 95134

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE  
OFFICE USE ONLY**TRANSFER** If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

**MORE ON BACK ▶** Complete all applicable spaces (numbers 5-9) on the reverse side of this page.  
See detailed instructions.

Sign the form at line 8.

DO NOT WRITE HERE  
Page 1 of 4 pages

EXAMINED BY

TMS

FORM TX

CHECKED BY

## CORRESPONDENCE

 YesFOR  
COPYRIGHT  
OFFICE  
USE  
ONLY**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a.  This is the first published edition of a work previously registered in unpublished form.
- b.  This is the first application submitted by this author as copyright claimant.
- c.  This is a changed version of the work, as shown by space 6 on this application.

5

If your answer is "Yes," give: Previous Registration Number ►

Pending

Year of Registration ►

2002

**DERIVATIVE WORK OR COMPILED**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

See Instructions  
before completing  
this space.

b

**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 2 Palo Alto Square  
 Palo Alto, CA 94306

Area code and daytime telephone number ► (650) 858-7696

Fax number ►

(650) 494-1417

Email ►

tttsao@fenwick.com

**CERTIFICATION\*** I, the undersigned, hereby certify that I am the

Check only one ►

 author other copyright claimant owner of exclusive right(s) authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

Handwritten signature (X) ▼

X - Robert Barr

8

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP  
 Number/Suite/Apt ▼  
 2 Palo Alto Square  
 City/State/ZIP ▼  
 Palo Alto, CA 94306

## YOU MUST:

• Complete all necessary spaces

• Sign your application in space 6

## SEND ALL 1 ELEMENTS

IN THE SAME PACKAGE

1. Application form

2. Nonrefundable filing fee in check or money order As of

July 1,

payable to Register of Copyrights

1999.

3. Deposit material

MAIL TO:

Library of Congress

Copyright Office

101 Independence Avenue, S.E.

Washington, D.C. 20559-6000

9

\*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.  
 June 1999—200,000  
 WEB REV: June 1999

U.S. GOVERNMENT PRINTING OFFICE: 1999-454-878/49

# CONTINUATION SHEET FOR APPLICATION FORMS

**FORM TX /CON**

UNITED STATES COPYRIGHT OFFICE

TXU 1-D36-063



PA	PAUSE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE: (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)  
**Cisco IOS 11.2**

**A**  
Identification  
of  
Application

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)  
**Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134**

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

**B**  
Continuation  
of Space 2

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

- Anonymous?  Yes  No  
Pseudonymous?  Yes  No
- If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH  
Year Born ▼ Year Died ▼

**e**

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

- Anonymous?  Yes  No  
Pseudonymous?  Yes  No
- If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH  
Year Born ▼ Year Died ▼

**f**

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

- Anonymous?  Yes  No  
Pseudonymous?  Yes  No
- If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

**CONTINUATION OF (Check which):**  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudonymous	Nature of Contribution
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
Network Aware, Inc.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
NSA	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation
Bev Talbott	No	United States	Yes	No	Documentation

C  
Continuation  
of other  
Spaces

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼  
2 Palo Alto Square

City/State/ZIP ▼  
Palo Alto, CA 94306

**YOU MUST:**  
• Complete all necessary spaces  
• Sign your application

**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE**

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

MAIL TO:

Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20559-6000

Fees are effective  
through June 30,  
2003. After that date,  
check the Copyright  
Office Website at  
[www.copyright.gov/copyright\\_fees.html](http://www.copyright.gov/copyright_fees.html)  
or call (202)  
707-3000 for current  
fee information.

**CERTIFICATE OF REGISTRATION****FORM TX**For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-062



EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year



OFFICIAL SEAL

**REGISTER OF COPYRIGHTS**  
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**1****TITLE OF THIS WORK ▼**

Cisco IOS 11.3

**PREVIOUS OR ALTERNATIVE TITLES ▼** Cisco IOS Release 11.3; Cisco IOS Version 11.3; Cisco Internetwork Operating System 11.3; Cisco Internetwork Operating System Release 11.3; Cisco Internetwork Operating System Version 11.3**PUBLICATION AS A CONTRIBUTION** If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work ▼**If published in a periodical or serial give: **Volume ▼****Number ▼****Issue Date ▼****On Pages ▼****2****NAME OF AUTHOR ▼**

a Cisco Systems, Inc.

**DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryWAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.  
Pseudonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼  
New and revised computer code and accompanying documentation**NAME OF AUTHOR ▼**

b See Attached Form TX/CON for Additional Authors

**DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryWAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.  
Pseudonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼**NAME OF AUTHOR ▼****DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼Was this contribution to the work a "work made for hire"?  Yes  No**AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryWAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.  
Pseudonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.**NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed. ▼**3**

a

**YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED**This information must be given in all cases.  
1997**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**Complete this information ONLY if this work has been published.  
Month ▶ Day ▶ Year ▶ Nation ▶**4**

See instructions before completing this space.

**COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼  
Cisco Technology, Inc.  
170 West Tasman Drive  
San Jose, CA 95134DO NOT WRITE HERE  
OFFICE USE ONLY

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

FUND RECEIVED

**TRANSFER** If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

**MORE ON BACK ▶** Complete all applicable spaces (numbers 5-9) on the reverse side of this page.  
\* See detailed instructions. \* Sign the form at line 8.DO NOT WRITE HERE  
Page 1 of 4 pages

EXAMINED BY

TMS

FORM TX

CHECKED BY

## CORRESPONDENCE

 YesFOR  
COPYRIGHT  
OFFICE  
USE  
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

 Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a.  This is the first published edition of a work previously registered in unpublished form.  
 b.  This is the first application submitted by this author as copyright claimant.  
 c.  This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number ►

Pending

Year of Registration ►

2002

5

## DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

See Instructions  
before completing  
this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 2 Palo Alto Square  
 Palo Alto, CA 94306

Area code and daytime telephone number ► (650) 858-7696

Fax number ►

(650) 494-1417

Email ► ttsao@fenwick.com

CERTIFICATION\* I, the undersigned, hereby certify that I am the

Check only one ►

- author  
 other copyright claimant  
 owner of exclusive right(s)

I am authorized agent of Cisco Technology, Inc.

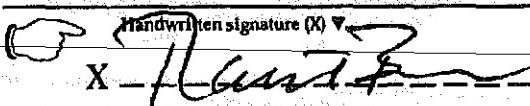
Name of author or other copyright claimant, or owner of exclusive right(s) ▼

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

  
 X - Robert A. Barr

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP  
 Number/Street/Apt ▼  
 2 Palo Alto Square  
 City/State/ZIP ▼  
 Palo Alto, CA 94306

- YOU MUST  
 • Complete all necessary spaces  
 • Sign your application in space 8

SEND ALL 3 ELEMENTS

IN THE SAME PACKAGE

1. Application form  
 2. Nonrefundable filing fee in check or money order As of July 1, 1999,  
 payable to Register of Copyrights  
 3. Deposit material

MAIL TO:  
 Library of Congress  
 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20559-6000

9

\*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.  
 June 1999-200,000  
 WEB REV: June 1999

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U.S. GOVERNMENT PRINTING OFFICE: 1999-454-878/49

# CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON  
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-062



PA	PAUSE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

**A** IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE: (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.3

Identification  
of  
Application

- NAME(S) AND ADDRESS(E) OF COPYRIGHT CLAIMANT(S): (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

(See Space C)

Year Born ▼ Year Died ▼

d

**B** Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.

Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?

 Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

Continuation  
of Space 2

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

e

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

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Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?

 Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

f

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  No If the answer to either of these questions is "Yes," see detailed instructions.

Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?

 Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

CONTINUATION OF (Check which):  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Technosoft Corp.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Documentation
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation
Kevin Shafer	No	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation

C

Continuation  
of other  
Spaces

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼  
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

**YOU MUST:**

- Complete all necessary spaces
- Sign your application

**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:**

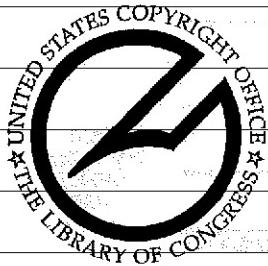
1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

**MAIL TO:**

Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20559-6000

D

Fees are effective  
through JUNE 30,  
2002. After that date,  
check the Copyright  
Office Website at  
[www.loc.gov/copyright](http://www.loc.gov/copyright)  
or call (202)  
707-3000 for current  
fee information.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM CA**For Supplementary Registration  
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXu 1-057-804



EFFECTIVE DATE OF SUPPLEMENTARY REGISTRATION

JAN 14  
Month Day Year

RE

OFFICIAL SEAL

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

Title of Work ▼

Cisco IOS 11.3

REGISTER OF COPYRIGHTS

United States of America

Registration Number of the Basic Registration ▼

TXu 1-036-062

Year of Basic Registration ▼

2002

Name(s) of Author(s) ▼

Please see Space D for list of author names

Name(s) of Copyright Claimant(s) ▼

Cisco Technology, Inc.

Location and Nature of Incorrect Information in Basic Registration ▼

Line Number 2a

Line Heading or Description

Name of Author

Incorrect Information as It Appears in Basic Registration ▼

Cisco Systems, Inc.

Corrected Information ▼

Cisco Systems Sales &amp; Services, Inc.

Explanation of Correction ▼

correct name of author

Location and Nature of Information in Basic Registration to be Amplified ▼

Line Number 2b and C

Line Heading or Description

Name of Author

Amplified Information and Explanation of Information ▼

Please add to the following to the list of authors:

Name of Author: Cisco Technology, Inc.

Work for Hire: Yes

Domicile: United States

Anonymous: No

Pseudonymous: No

Nature of Contribution: Computer code and documentation

MORE ON BACK ►

- Complete all applicable spaces (D-G) on the reverse side of this page.
- See detailed instructions.
- Sign the form at Space F.

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Page 1 of 2 pages

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FORM CA

JAN 14. 2003

## FUNDS RECEIVED DATE

## EXAMINED BY

CORRESPONDENCE FOR  
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USE  
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## REFERENCE TO THIS REGISTRATION ADDED TO

BASIC REGISTRATION  YES  NO**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**Continuation of:  Part B or  Part C  Part A

Cisco Systems, Inc.  
 HCL America, Inc.  
 HCL Consulting Limited  
 Metaplex, Inc.  
 Technosoft Corp.  
 Nano Solutions  
 Oakhill Publications / Computer Education Consulting  
 ABE Staffing Services, Inc.  
 Lasselle-Ramsey  
 Kevin Shafer  
 Rick Barron

**Correspondence:** Give name and address to which correspondence about this application should be sent.

TU T. Tsao, Esq.  
 Fenwick & West LLP  
 801 California Street  
 Mountain View, CA 94041

Phone (650) 335-7696

Fax (650) 938-5200

Email [tttsao@fenwick.com](mailto:tttsao@fenwick.com)**Deposit Account:** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name

Account Number

Certification\* I, the undersigned, hereby certify that I am the: (Check only one)

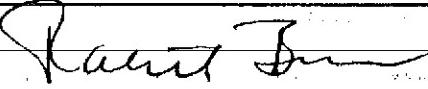
author  owner of exclusive right(s)  
 other copyright claimant  duly authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲  
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name ▼ Robert A. Barr, Worldwide Patent Counsel

Date ▼

1/8/03

Handwritten signature (X) ▼ 

**Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:**

Name ▼ Susanne S. Morales, Paralegal / Fenwick &amp; West LLP

Number/Street/Apartment ▼

801 California Street

City/State/ZIP ▼

Mountain View, CA 94041

## YOU MUST:

- Complete all necessary spaces.
- Sign your application in Space F.

SEND ALL ELEMENTS  
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights

## MAIL TO:

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 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20590-6000

Fees are subject to  
 change. For current  
 fees, check the  
 Copyright Office  
 website at  
[www.copyright.gov](http://www.copyright.gov),  
 with the Copyright  
 Office, or call  
 (202) 707-3000.

\*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM TX**  
For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-064



#TXu001036-064

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

OFFICIAL SEAL

REGISTER OF COPYRIGHTS  
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**1**

TITLE OF THIS WORK ▼

Cisco IOS 12.0

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.0; Cisco IOS Version 12.0; Cisco Internetwork Operating System 12.0; Cisco Internetwork Operating System Release 12.0; Cisco Internetwork Operating System Version 12.0

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

**2**

NAME OF AUTHOR ▼  
**a** Cisco Systems, Inc.

Was this contribution to the work a "work made for hire"?

 Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶ United States

DATES OF BIRTH AND DEATH  
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made-for-hire" check "Yes" in the space provided. Give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for date of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

NAME OF AUTHOR ▼  
See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH  
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  NoPseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

**3**

**a** YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

1998

This information must be given in all cases.  
◀ Year

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

**b** Complete this Information ONLY if this work has been published.

APPLICATION RECEIVED

JUN 14 2002

ONE DEPOSIT RECEIVED

JUN 14 2002

TWO DEPOSITS RECEIVED

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See instructions before completing this space.

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

DO NOT WRITE HERE  
OR FEE USE ONLY

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.  
• See detailed instructions.

\* Sign the form at line 6.

DO NOT WRITE HERE

Page 1 of 4 pages

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CORRESPONDENCE  
Yes

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COPYRIGHT  
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**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a.  This is the first published edition of a work previously registered in unpublished form.b.  This is the first application submitted by this author as copyright claimant.c.  This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Pending

Year of Registration ►

2002

5

**DERIVATIVE WORK OR COMPILED**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions  
before completing  
this space.**Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼  
New and revised computer code and accompanying documentation

b

**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of account.

Name ▼ Account Number ▼

a 7

**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼Tu T. Tsao, Esq.  
Fenwick & West LLP  
2 Palo Alto Square  
Palo Alto, CA 94306

Area code and daytime telephone number ► (650) 858-7696

Fax number ►

(650) 494-1417

Email ► ttsao@fenwick.com

**CERTIFICATION\*** I, the undersigned, hereby certify that I am the

Check only one ►

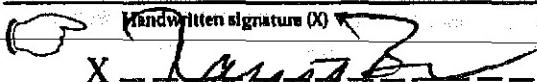
- author  
 other copyright claimant  
 owner of exclusive right(s)  
 authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►



8

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP  
Number/Street/Apt ▼ 2 Palo Alto Square  
City/State/ZIP ▼ Palo Alto, CA 94306

YOU MUST:  
• Complete all necessary spaces  
• Sign your application in space 8

SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order As of July 4, 1999,
3. Deposit material the filing fee for Form TX is \$30.

\*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.  
June 1999 - 2000.000  
WEB REV: June 1999

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U.S. GOVERNMENT PRINTING OFFICE: 1999-454-878/49

9

# CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON  
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-064



1-036-064

P	A	P	A	S	E	G	S	E	L	S	R	I	S	R	U	T	X	T	X	U	V	A	V	U
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month)

(Day)

(Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

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**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)  
**Cisco IOS 12.0**

**A**  
Identification  
of  
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)  
**Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134**

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

d

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE  
a "work made for hire"? Name of Country

Continuation  
of Space 2

- Yes       No      OR Citizen of ► \_\_\_\_\_  
 Domiciled in ► \_\_\_\_\_
- WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No      If the answer to either of these questions is "Yes," see detailed instructions.
- Pseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

e

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE  
a "work made for hire"? Name of Country

- WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No      If the answer to either of these questions is "Yes," see detailed instructions.
- Pseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

f

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE  
a "work made for hire"? Name of Country

- WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK  
Anonymous?  Yes  No      If the answer to either of these questions is "Yes," see detailed instructions.
- Pseudonymous?  Yes  No

OR Citizen of ► \_\_\_\_\_  
 Domiciled in ► \_\_\_\_\_

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the  
continuation of the three Short Forms PA, TX, or VA

CONTINUATION OF (Check which):  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudonymous	Nature of Contribution
Adecco Employment Services	Yes	United States	Yes	No	Computer code
Avnisoft Corporation	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	India	Yes	No	Computer code
H.L. Yoh Company LLC	Yes	United States	Yes	No	Computer code
Aquas	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Rapidigm	Yes	United States	Yes	No	Computer code
Wipro Limited	Yes	India	Yes	No	Documentation
Lasselle-Ramsay	Yes	United States	Yes	No	
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation
On-Call Consultants, Inc.	Yes	United States	Yes	No	Documentation
Judy Melanson	No	United States	Yes	No	Documentation

C  
Continuation  
of other  
Spaces

Certificate  
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address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:  
• Complete all necessary spaces  
• Sign your application

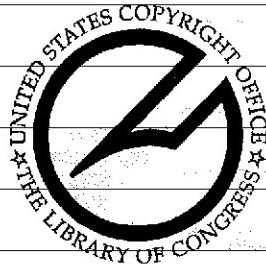
**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:**

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

**MAIL TO:**

Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20559-6000

D  
Fees are effective through June 30, 2002. After that date, check the Copyright office Website at [www.loc.gov/copyright](http://www.loc.gov/copyright) or call (202) 707-3000 for current fee information.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM CA**For Supplementary Registration  
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXu 1-057-805



EFFECTIVE DATE OF SUPPLEMENTARY REGISTRATION

JAN 14 2003

OFFICIAL SEAL

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

Title of Work ▼

Cisco IOS 12.0

Registration Number of the Basic Registration ▼

TXu 1-036-064

Year of Basic Registration ▼

2002

Name(s) of Author(s) ▼

Please see Space D for list of author names

Name(s) of Copyright Claimant(s) ▼

Cisco Technology, Inc.

Location and Nature of Incorrect Information in Basic Registration ▼

Line Number 2a

Line Heading or Description

Name of Author

Incorrect Information as It Appears in Basic Registration ▼

Cisco Systems, Inc.

Corrected Information ▼

Cisco Systems Sales &amp; Services, Inc.

Explanation of Correction ▼

correct name of author

Location and Nature of Information in Basic Registration to be Amplified ▼

Line Number 2B and C

Line Heading or Description

Name of Author

Amplified Information and Explanation of Information ▼

Please add the following to the list of authors:

Name of Author: Cisco Technology, Inc.

Work for Hire: Yes

Domicile: United States

Anonymous: No

Pseudonymous: No

Nature of Contribution: Computer code and documentation

**MORE ON BACK ►** • Complete all applicable spaces (D-G) on the reverse side of this page.  
 • See detailed instructions. • Sign the form at Space F.

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 Page 1 of 2 pages

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JAN 14, 2003

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## CORRESPONDENCE □

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## REFERENCE TO THIS REGISTRATION ADDED TO

## BASIC REGISTRATION

 YES  NO**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**Continuation of:  Part B or  Part C  Part A

Cisco Systems, Inc.  
Adecco Employment Services  
Avnisoft Corporation  
HCL Consulting Limited  
HCL America, Inc.  
H.L. Yoh Company LLC  
Aquas  
Metaplex, Inc.  
Rapidigm  
Wipro Limited  
Lasselle-Ramsay  
Oakhill Publications / Computer Education Consulting  
Rick Barron  
On-Call Consultants, Inc.  
Judy Melanson

**Correspondence:** Give name and address to which correspondence about this application should be sent.

Tu T. Tsao, Esq.  
Fenwick & West LLP  
801 California Street  
Mountain View, CA 94041

Phone ( 650 ) 335-7696

Fax ( 650 ) 938-5200

Email tttsao@fenwick.com

**Deposit Account:** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name \_\_\_\_\_

Account Number \_\_\_\_\_

**Certification\*** I, the undersigned, hereby certify that I am the: (Check only one)

author  owner of exclusive right(s)  
 other copyright claimant  duly authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name ▼

Robert A. Barr, Worldwide Patent Counsel

Date ▼

1/8/03

Handwritten signature (X) ▼

**Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:**

Name ▼	Susanne S. Morales, Paralegal / Fenwick & West LLP
Number/Street/Apt ▼	801 California Street
City/State/ZIP ▼	Mountain View, CA 94041

## YOU MUST:

- Complete all necessary spaces
- Sign your application in Space F

SEND ALL ELEMENTS  
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights

## MAIL TO:

Library of Congress  
Copyright Office  
101 Independence Avenue, S E  
Washington, D.C. 20559-6000

Fees are subject to  
change. For current  
fees, check the  
Copyright Office  
website at  
[www.copyright.gov](http://www.copyright.gov)  
or call  
(202) 707-3000.

\*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.



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FORM TX

CHECKED BY

CORRESPONDENCE  
Yes

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COPYRIGHT  
OFFICE  
USE  
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

 Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a.  This is the first published edition of a work previously registered in unpublished form.  
 b.  This is the first application submitted by this author as copyright claimant.  
 c.  This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Pending

Year of Registration ►

2002

5

## DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions  
before completing  
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 2 Palo Alto Square  
 Palo Alto, CA 94306

b

Area code and daytime telephone number ► (650) 858-7696

Fax number ► (650) 494-1417

Email ► [tttsao@fenwick.com](mailto:tttsao@fenwick.com)

CERTIFICATION\* I, the undersigned, hereby certify that I am the

Check only one ►

- author  
 other copyright claimant  
 owner of exclusive right(s)  
 authorized agent of Cisco Technology, Inc.

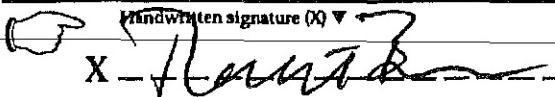
Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

  
 Handwritten signature (X) ▼  
 X - Robert A. Barr

Certificate  
will be  
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window  
envelope  
to this  
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP  
 Number/Street/Apt ▼  
 2 Palo Alto Square  
 City/State/ZIP ▼  
 Palo Alto, CA 94306

- YOU MUST:  
 • Complete all necessary spaces  
 • Sign your application in space 8

SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:

1. Application form

2. Nonrefundable filing fee in check or money order As of July 1, 1999,

3. Deposit material

MAIL TO: Library of Congress Copyright Office 101 Independence Avenue, S.E. Washington, D.C. 20559-6000

9

\*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 403, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.  
 June 1999-2000.000  
 WEB REV: June 1999

PRINTED ON RECYCLED PAPER

\*U.S. GOVERNMENT PRINTING OFFICE: 1999-154-879/49

# CONTINUATION SHEET FOR APPLICATION FORMS

FORM TX /CON  
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-066



PAPAUSESEGSEUSRSRUTXTXUVAVAU

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)  
**Cisco IOS 12.1**

**A**  
Identification  
of  
Application

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)  
**Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134**

**NAME OF AUTHOR ▼**

(See Space C)

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

**B**  
Continuation  
of Space 2

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

**e**

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

**f**

Was this contribution to the work AUTHOR'S NATIONALITY OR DOMICILE a "work made for hire"? Name of Country

- Yes  
 No

OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No

If the answer to either of these questions is "Yes," see detailed instructions.

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

Space 1  Space 4  Space 6  Space 2b

CONTINUATION OF (Check which):

C

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code	
Adecco Employment Services	Yes	United States	Yes	No	Computer code	
A.S.K. Office Personnel Solutions	Yes	Australia	Yes	No	Computer code	
Computer People	Yes	United States	Yes	No	Computer code	
Cotelligent	Yes	United States	Yes	No	Computer code	
Devssoft Corporation	Yes	United States	Yes	No	Computer code	
HCL America, Inc.	Yes	United States	Yes	No	Computer code	
HCL Consulting Limited	Yes	India	Yes	No	Computer code	
IT & E Corporation	Yes	United States	Yes	No	Computer code	
Ma Foi Management Consultants Limited	Yes	India	Yes	No	Computer code	
Maprik Holdings Pty Ltd	Yes	Australia	Yes	No	Computer code	
Metaplex, Inc.	Yes	United States	Yes	No	Computer code	
Pipelink	Yes	United States	Yes	No	Computer code	
Rapidigm		India				
Softsol Resources, Inc.	Yes	United States	Yes	No	Computer code	
Wipro Limited	Yes	United States	Yes	No	Documentation	
Lasselle-Ramsay	Yes	United States				
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation	
Essential Solutions	Yes	United States	Yes	No	Documentation	
Rick Barron	No	United States	Yes	No	Documentation	

Certificate will be mailed in window envelope to this address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

## YOU MUST:

- Complete all necessary spaces
- Sign your application

## SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

## MAIL TO:

Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20559-6000

Fees are effective through June 30, 2002. After that date, check the Copyright Office Website at [www.loc.gov/copyright/](http://www.loc.gov/copyright/) or call (202) 707-3000 for current information.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM CA**For Supplementary Registration  
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXu 1-057-807


 **EFFECTIVE DATE OF SUPPLEMENTARY REGISTRATION**
**JAN 14 2003**  
 Month Day Year

OFFICIAL SEAL

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****Title of Work ▼****Cisco IOS 12.1****Registration Number of the Basic Registration ▼**

TXu 1-036-066

**Year of Basic Registration ▼**

2002

**Name(s) of Author(s) ▼**

Please see Space D for list of author names

**Name(s) of Copyright Claimant(s) ▼**

Cisco Technology, Inc.

**Location and Nature of Incorrect Information in Basic Registration ▼****Line Number 2a****Line Heading or Description****Name of Author****Incorrect Information as It Appears in Basic Registration ▼**

Cisco Systems, Inc.

**Corrected Information ▼**

Cisco Systems Sales &amp; Services, Inc.

**Explanation of Correction ▼**

correct name of author

**Location and Nature of Information in Basic Registration to be Amplified ▼****Line Number 2b and C****Line Heading or Description****Name of Author****Amplified Information and Explanation of Information ▼****Please add the following to the list of authors:**

Name of Author: Cisco Technology, Inc.

Work for Hire: Yes

Domicile: United States

Anonymous: No

Pseudonymous: No

Nature of Contribution: Computer code and documentation

**MORE ON BACK ►** • Complete all applicable spaces (D-G) on the reverse side of this page.  
 \* See detailed instructions.  
 \* Sign the form at Space F.

**DO NOT WRITE HERE**  
 Page 1 of 2 pages

FORM CA RECEIVED

FORM CA

JAN 14. 2003

FUND RECEIVED DATE

EXAMINED BY

TAS

CORRESPONDENCE FOR  
COPYRIGHT  
OFFICE  
USE  
ONLY

REFERENCE TO THIS REGISTRATION ADDED TO

BASIC REGISTRATION

 YES  NO

## DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

Continuation of:  Part B or  Part C  Part A

Cisco Systems, Inc.  
 ABE Staffing Services, Inc.  
 Adecco Employment Services  
 A.S.K. Office Personnel Solutions  
 Computer People  
 Cotelligent  
 Devsoft Corporation  
 HCL America, Inc.  
 HCL Consulting Limited  
 IT & E Corporation  
 Ma Foi Management Consultants Limited  
 Maprik Holdings Pty Ltd  
 Metaplex, Inc.

Pipelink  
 Rapidigm  
 Softsol Resources, Inc.  
 Wipro Limited  
 Lasselle-Ramsay  
 Oakhill Publications / Computer Education  
 Consulting  
 Essential Solutions  
 Rick Barron

**Correspondence:** Give name and address to which correspondence about this application should be sent.

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 801 California Street  
 Mountain View, CA 94041

Phone (650) 335-7696 Fax (650) 938-5200 Email [tttsao@fenwick.com](mailto:tttsao@fenwick.com)

**Deposit Account:** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name \_\_\_\_\_

Account Number \_\_\_\_\_

**Certification I:** I, the undersigned, hereby certify that I am the: (Check only one)

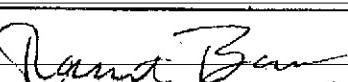
author  owner of exclusive right(s)  
 other copyright claimant  duly authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name ▼ Robert A. Barr, Worldwide Patent Counsel

Date ▼ 1-8-03

Handwritten signature (X) ▼ 

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼	Susanne S. Morales, Paralegal / Fenwick & West LLP
Number/Street/Apt. ▼	801 California Street
City/State/ZIP ▼	Mountain View, CA 94041

## YOU MUST:

- Complete all necessary spaces
- Sign your application in Space F

SEND ALL ELEMENTS  
IN THE SAME PACKAGE:

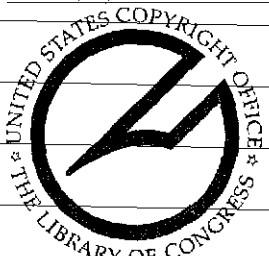
1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights

## MAIL TO:

Library of Congress  
 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20559-8000

Fees are subject to  
change. For current  
fees, refer to the  
Copyright Office  
website at  
[www.copyright.gov](http://www.copyright.gov),  
write the Copyright  
Office, or call  
(202) 707-3000.

\*17 U.S.C. § 506(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM TX**

For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

RE

TXU 1-036-065

#1A001036065\*

**EFFECTIVE DATE OF REGISTRATION**

JUN 14 2002

Month Day Year

OFFICIAL SEAL

REGISTER OF COPYRIGHTS  
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

**1****TITLE OF THIS WORK ▼**

Cisco IOS 12.2

**PREVIOUS OR ALTERNATIVE TITLES ▼** Cisco IOS Release 12.2; Cisco IOS Version 12.2; Cisco Internetwork Operating System 12.2; Cisco Internetwork Operating System Release 12.2; Cisco Internetwork Operating System Version 12.2

**PUBLICATION AS A CONTRIBUTION** If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work ▼**

If published in a periodical or serial give: **Volume ▼** **Number ▼** **Issue Date ▼** **On Pages ▼**

**2****NAME OF AUTHOR ▼**

a Cisco Systems, Inc.

**DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes  
 No
 **AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryOR Citizen of ▶  
Domiciled in ▶

United States

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  No  
Pseudonymous?  Yes  No**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

**b****NATURE OF AUTHORSHIP** Briefly describe nature of material created by this author in which copyright is claimed.

New and revised computer code and accompanying documentation

**DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼**NAME OF AUTHOR ▼**

See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"?

 Yes  
 No
 **AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryOR Citizen of ▶  
Domiciled in ▶**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  No  
Pseudonymous?  Yes  No**c****NAME OF AUTHOR ▼****DATES OF BIRTH AND DEATH**  
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes  
 No
 **AUTHOR'S NATIONALITY OR DOMICILE**  
Name of CountryOR Citizen of ▶  
Domiciled in ▶**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous?  Yes  No  
Pseudonymous?  Yes  No**3****a****YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED**This information must be given in all cases.  
2001**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**  
Complete this Information Month ▶ Day ▶ Year ▶ Nation ▶

**4**  
See instructions before completing this space.

**COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼Cisco Technology, Inc.  
170 West Tasman Drive  
San Jose, CA 95134**APPLICATION RECEIVED**  
JUN 14, 2002**ONE DEPOSIT RECEIVED**  
JUN 14, 2002**TWO DEPOSITS RECEIVED****FUNDS RECEIVED**DO NOT WRITE HERE  
OFFICE USE ONLY**TRANSFER** If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

**DO NOT WRITE HERE**  
Page 1 of 4 pages**MORE ON BACK** ▶ Complete all applicable spaces (numbers 6-9) on the reverse side of this page.  
\* See detailed instructions.

\* Sign the form at line 8.

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

 YesFOR  
COPYRIGHT  
OFFICE  
USE  
ONLY**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

- Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼
- This is the first published edition of a work previously registered in unpublished form.
  - This is the first application submitted by this author as copyright claimant.
  - This is a changed version of the work, as shown by space 6 on this application.

5

If your answer is "Yes," give: Previous Registration Number ►

Pending

Year of Registration ►

2002

**DERIVATIVE WORK OR COMPILATION**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

See instructions  
before completing  
this space.**Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

b

**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 2 Palo Alto Square  
 Palo Alto, CA 94306

b

Area code and daytime telephone number ► (650) 858-7696

Fax number ► (650) 494-1417

Email ► tttsao@fenwick.com

**CERTIFICATION\*** I, the undersigned, hereby certify that I am the

Check only one ►

- author  
 other copyright claimant  
 owner of exclusive right(s)  
 authorized agent of Cisco Technology, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

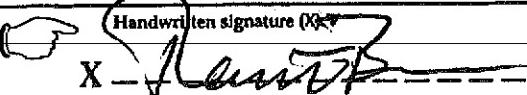
Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ►

Handwritten signature (X) 

X - Robert A. Barr

Certificate will be mailed in window envelope to this address:	Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP
	Number/Street/Apt ▼ .2 Palo Alto Square
	City/State/ZIP ▼ Palo Alto, CA 94306

**YOU MUST:**

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1,

payable to Register of Copyrights

3. Deposit material

MAIL TO:

Library of Congress  
 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20559-4000

9

\*17 U.S.C. § 506(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 403, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

June 1999-2000  
WEB-REV. June 1999

PRINTED ON RECYCLED PAPER

#U.S. GOVERNMENT PRINTING OFFICE: 1999-454-876/49

# CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application. Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms. Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

**FORM** TX /CON  
UNITED STATES COPYRIGHT OFFICE

TXU 1-036-065

P	A	P	A	S	E	S	R	S	R	T	X	U	V	A	V	A
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

**IDENTIFICATION OF CONTINUATION SHEET:** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 12.2

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

**A**  
Identification  
of  
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

**d**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK

Anonymous?  Yes  No

If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?  Yes  No

Continuation  
of Space 2

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

**e**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK

Anonymous?  Yes  No

If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?  Yes  No

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼

Year Died▼

**f**

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**  
a "work made for hire"? Name of Country

WAS THIS AUTHOR'S CONTRIBUTION TO  
THE WORK

Anonymous?  Yes  No

If the answer to either  
of these questions is  
"Yes," see detailed  
instructions.

Yes  
 No

OR Citizen of ►  
Domiciled in ►

Pseudonymous?  Yes  No

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the  
continuation of Space 1 on any of the Short Forms PA, TX, or VA.

**CONTINUATION OF** (Check which):  Space 1  Space 4  Space 6  Space 2b

Name of Author	Work for	Domicile	Anonymous	Pseudo- nymous	Nature of Contribution	Continuation of other Spaces
ABE Staffing Services, Inc.	Hire Yes	United States	Yes	No	Computer code and documentation	
Adecco Employment Services	Yes	United States	Yes	No	Computer code and documentation	
Acionyx, Incorporated Greenwood Group, dba Manpower Technical Services	Yes Yes	United States United States	Yes Yes	No No	Computer code Computer code and documentation	
HCL America, Inc.	Yes	United States	Yes	No	Computer code	
HCL Consulting Limited	Yes	United States	Yes	No	Computer code	
H.L. Yoh Company LLC	Yes	United States	Yes	No	Computer code	
Hughes Software Systems USA	Yes	United States	Yes	No	Computer code	
InfoSys Technologies Limited	Yes	United States	Yes	No	Computer code	
Insight Solutions, Inc.	Yes	United States	Yes	No	Computer code	
IT & E Corporation	Yes	United States	Yes	No	Computer code	
Ma Foi Management Consultants Limited	Yes	United States	Yes	No	Computer code	
Metalogic, S.A.R.L.	Yes	United States	Yes	No	Computer code	
Metaplex, Inc.	Yes	United States	Yes	No	Computer code	
Rapidign	Yes	United States	Yes	No	Computer code	
Savvy System Consultants	Yes	United States	Yes	No	Computer code	
Ultimate Technology, Inc.	Yes	United States	Yes	No	Computer code	
Wipro Limited	Yes	United States	Yes	No	Computer code	
Lasselle-Ramsay	Yes	United States	Yes	No	Documentation	
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation	
Rick Barron	No	United States	Yes	No	Documentation	

C

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address:

Name ▼	Susanne S. Morales, Paralegal / Fenwick & West LLP
Number/Street/Apt ▼	2 Palo Alto Square
City/State/ZIP ▼	Palo Alto, CA 94306

YOU MUST:  
• Complete all necessary spaces  
• Sign your application

**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE**

1. Application form
2. Nonrefundable fee in check or money order payable to *Register of Copyrights*
3. Deposit Material

MAIL TO:  
Library of Congress, Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20599-6000

D

Fees are effective  
through June 30,  
2000. For information,  
check the Copyright  
Office Website at  
[www.loc.gov/copyright/](http://www.loc.gov/copyright/)  
(202) 707-5000 or our website  
for information.

**CERTIFICATE OF REGISTRATION**

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**FORM CA**

For Supplementary Registration  
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TXu 1-057-806



#1.057-806

EFFECTIVE DATE OF SUPPLEMENTARY REGISTRATION

JAN

Month

14

Day

2003

Year

OFFICIAL SEAL

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

Title of Work ▼

Cisco IOS 12.2

Registration Number of the Basic Registration ▼	Year of Basic Registration ▼
TXu 1-036-065	2002
Name(s) of Author(s) ▼	Name(s) of Copyright Claimant(s) ▼
Please see Space D for list of name of authors	Cisco Technology, Inc.

Location and Nature of Incorrect Information in Basic Registration ▼

Line Number 2a Line Heading or Description Name of Author

Incorrect Information as It Appears in Basic Registration ▼

Cisco Systems, Inc.

Corrected Information ▼

Cisco Systems Sales &amp; Services, Inc.

Explanation of Correction ▼

correct name of author

Location and Nature of Information in Basic Registration to be Amplified ▼

Line Number 2b and C Line Heading or Description Name of Author

Amplified Information and Explanation of Information ▼

Please add the following to the list of author names:

Name of Author: Cisco Technology, Inc.

Work for Hire: Yes

Domicile: United States

Anonymous: No

Pseudonymous: No

Nature of Contribution: Computer code and documentation

## MORE ON BACK ►

- Complete all applicable spaces (D-G) on the reverse side of this page.
- See detailed instructions.
- Sign the form at Space F.

DO NOT WRITE HERE

Page 1 of 2 pages

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FORM CA

JAN 14 2003

FUNDS RECEIVED DATE

EXAMINED BY

TB  
CORRESPONDENCE □FOR  
COPYRIGHT  
OFFICE  
USE  
ONLYREFERENCE TO THIS REGISTRATION ADDED TO  
BASIC REGISTRATION  YES  NO

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

Continuation of:  Part B or  Part C  Part A

Cisco Systems, Inc.  
 ABE Staffing Services, Inc.  
 Adecco Employment Services  
 Acionyx, Incorporated  
 Greenwood Group, dba Manpower  
 Technical Services  
 HCL America, Inc.  
 HCL Consulting Limited  
 H.L. Yoh Company LLC  
 Hughes Software Systems USA  
 InfoSys Technologies Limited  
 Insight Solutions, Inc.  
 IT & E Corporation

Ma Foi Management Consultants Limited  
 Metalogic, S.A.R.L.  
 Metaplex, Inc.  
 Rapidigm  
 Savvy System Consultants  
 Ultimate Technology, Inc.  
 Wipro Limited  
 Lasselle-Ramsay  
 Oakhill Publications / Computer Education Consulting  
 Rick Barron

Correspondence: Give name and address to which correspondence about this application should be sent.

Tu T. Tsao, Esq.  
 Fenwick & West LLP  
 801 California Street  
 Mountain View, CA 94041

Phone (650) 335-7696

Fax (650) 938-5200

Email ttsao@fenwick.com

Deposit Account: If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name \_\_\_\_\_

Account Number \_\_\_\_\_

Certification I, the undersigned, hereby certify that I am the: (Check only one)

author  owner of exclusive right(s)  
 other copyright claimant  duly authorized agent of Cisco Technology, Inc.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲  
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name ▼ Robert A. Barr, Worldwide Patent Counsel

Date ▼

1-8-03

Handwritten signature (X) ▼

Certificate  
 will be  
 mailed in  
 window  
 envelope  
 to this  
 address:

Name ▼	Susanne S. Morales, Paralegal / Fenwick & West LLP
Number/Street/apt ▼	801 California Street
City/State/ZIP ▼	Mountain View, CA 94041

## YOU MUST:

- Complete all necessary spaces
- Sign your application in Space F

SEND ALL ELEMENTS  
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights

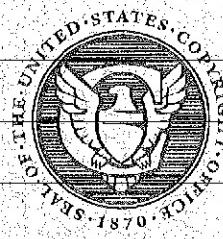
## MAIL TO:

Library of Congress  
 Copyright Office  
 101 Independence Avenue, S.E.  
 Washington, D.C. 20599-6000

Fees are subject to change. For current fees, check the Copyright Office website at [www.copyright.gov](http://www.copyright.gov), write the Copyright Office, or call (202) 707-3000.

\*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

## Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

*Marybeth Peters*

Register of Copyrights, United States of America

## FORM TX

For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

REG

TXu1-188-975



TXU1188975

EFFECTIVE DATE OF REGISTRATION

Month **JUL** Day **26** Year **04**

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

**1**

## TITLE OF THIS WORK ▼

Cisco IOS 12.3

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.3 Cisco IOS Version 12.3 Cisco Internetwork Operating System 12.3 Cisco Internetwork Operating System Release 12.3 Cisco Internetwork Operating System Version 12.3

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical serial or collection give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

**2**

## NAME OF AUTHOR ▼

**a** Cisco Systems Inc

Was this contribution to the work a work made for hire?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ► United States

## DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is

Anonymous?  Yes  No

"Yes" see detailed instructions

Pseudonymous?  Yes  No

instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

**NOTE**

Under the law, the author of a work made for hire is generally the employer, not the employee (see instructions). For any part of this work that was made for hire, check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank.

**b** See Attached Form TX/CON for Additional Authors

Was this contribution to the work a work made for hire?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ►

## DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is

Anonymous?  Yes  No

"Yes" see detailed instructions

Pseudonymous?  Yes  No

instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

## NAME OF AUTHOR ▼

Was this contribution to the work a work made for hire?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ►

## DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is

Anonymous?  Yes  No

"Yes" see detailed instructions

Pseudonymous?  Yes  No

instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

**3**  
**4**

## YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

This information must be given ONLY if this work has been published

2003

Year in all cases.

## DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information Month ▶ Day ▶ Year ▶ Nation ▶

DO NOT WRITE HERE  
OFFICE USE ONLY

APPLICATION RECEIVED

JUL 26 2004

ONE DEPOSIT RECEIVED

JUL 26 2004

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

See instructions before completing this space

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc  
170 West Tasman Drive  
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

MORE ON BACK ▶ Complete all applicable spaces (numbers 5-9) on the reverse side of this page  
See detailed instructions Sign the form at line 8DO NOT WRITE HERE  
Page 1 of 4 pages

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

FOR  
COPYRIGHT  
OFFICE  
USE  
ONLY**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET**

5

**PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes  No If your answer is Yes why is another registration being sought? (Check appropriate box.) ▶

- a  This is the first published edition of a work previously registered in unpublished form  
 b  This is the first application submitted by this author as copyright claimant  
 c  This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶

TXu 1 036 065

Year of Registration ▶

2002

6

See instructions  
before completing  
the space**DERIVATIVE WORK OR COMPILED**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▶

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▶

New and revised computer code and documentation

7

**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account Name ▶

Account Number ▶

Cisco Technology Inc

DA92785

8

**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▶

Jason Schroth

Cisco Technology Inc  
170 West Tasman Drive  
San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853 7972

Fax number ▶ (408) 853 7972

Email ▶ jschroth@cisco.com

**CERTIFICATION\*** I the undersigned hereby certify that I am the

Check only one ▶

- author  
 other copyright claimant  
 owner of exclusive right(s)  
 authorized agent of Cisco Technology, Inc

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Typed or printed name and date ▶ If the application gives a date of publication in space 3 do not sign and submit it before that date

Robert Barr VP Intellectual Property

Date ▶ 7/21/2004

9

Handwritten signature (X)

X - Certificate  
will be  
mailed in  
window  
envelope  
to this  
address

Name ▶

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▶

170 West Tasman Drive

City/State/ZIP ▶

San Jose CA 95134

**YOU MUST:**Complete all necessary spaces  
Sign your application in space 8**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE:**

- 1 Application form
- 2 Nonrefundable filing fee in check or money order payable to Register of Copyrights
- 3 Deposit material

If we are subject to  
charge for current  
1.5, check the  
Copyright Office  
website at  
[www.copyright.gov](http://www.copyright.gov)  
or call  
(202) 707-3000

**MAIL TO:**

Library of Congress  
Copyright Office  
101 Independence Avenue, S.E.  
Washington, D.C. 20559-6000

17 U.S.C. § 506(b). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 403 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

# CONTINUATION SHEET FOR APPLICATION FORMS

Form TXU /CON  
UNITED STATES COPYRIGHT OFFICE  
REC TXU 1-188-975

TXU001100975

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

JUL 26 2004

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUL 26 2004Page 3 of A pages

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

**IDENTIFICATION OF CONTINUATION SHEET** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)

**A**Identification  
of  
Application

Cisco IOS 12.3

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX or VA)

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

**d**

(See Space C)

**B**Continuation  
of Space 2

Was this contribution to the work a work made for hire?

AUTHOR'S NATIONALITY OR DOMICILE

WAS THIS AUTHOR'S CONTRIBUTION  
TO THE WORK

Name of Country

Anonymous?  Yes  No If the answer to either of these questions is  
Pseudonymous?  Yes  No Yes see detailed  
Instructions
 Yes  
 No
 OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

**e**

Was this contribution to the work a work made for hire?

AUTHOR'S NATIONALITY OR DOMICILE

WAS THIS AUTHOR'S CONTRIBUTION  
TO THE WORK

Name of Country

Anonymous?  Yes  No If the answer to either of these questions is  
Pseudonymous?  Yes  No Yes see detailed  
Instructions
 Yes  
 No
 OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

**f**

Was this contribution to the work a work made for hire?

AUTHOR'S NATIONALITY OR DOMICILE

WAS THIS AUTHOR'S CONTRIBUTION  
TO THE WORK

Name of Country

Anonymous?  Yes  No If the answer to either of these questions is  
Pseudonymous?  Yes  No Yes see detailed  
Instructions
 Yes  
 No
 OR Citizen of ► \_\_\_\_\_  
Domiciled in ► \_\_\_\_\_

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4 or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX or VA

**CONTINUATION OF** (Check which)       Space 1       Space 4       Space 6       Space 2b

Space 1     Space 4     Space 6     Space 2

Space 4

Space 6

Space 21

C

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-	Nature of Contribution	Continuation of other Spaces
				nymous		
Avnisoft Corp	Yes	United States	Yes	No	Computer Code	
Bryson Technologies Inc	Yes	United States	Yes	No	Documentation	
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Data Connection Ltd	Yes	United States	Yes	No	Computer Code	
HarveyCom	Yes	United States	Yes	No	Documentation	
HCL America Inc	Yes	United States	Yes	No	Computer Code & Documentation	
HCL Consulting Limited	Yes	India	Yes	No	Computer Code	
Infosys	Yes	India	Yes	No	Documentation	
Lasselle Ramsay	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Computer Code	
ODI HCL	Yes	India	Yes	No	Documentation	
Preferred International	Yes	United Kingdom	Yes	No	Documentation	
Red Oak Technologies	Yes	United States	Yes	No	Documentation	
Richard Barron and Assoc	Yes	United States	Yes	No	Computer Code	
Tata Elxs: Limited	Yes	India	Yes	No	Computer Code	
Technology Solutions	Yes	India	Yes	No	Computer Code	
WIPRO	Yes	India	Yes	No	Computer Code	

**Certificate  
will be  
mailed in  
window  
envelope  
to this  
address**

Name ▼	Jason Schroth Intellectual Property Department / Cisco Technology Inc
Number/Street/Apt ▼	170 West Tasman Drive
City/State/ZIP ▼	San Jose CA 95134

**YOU MUST:**  
Complete all necessary spaces  
Sign your application

**SEND ALL 3 ELEMENTS  
IN THE SAME PACKAGE!**

**1 Application form**

- 2 Nonrefundable fee in check or  
money order payable to Register  
of Copyrights  
3 Deposit Material**

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Library of Congress Copyright  
101 Independence Avenue S E  
Washington D C 20559 8000

D

For more info or  
to buy a  
for commercial  
distribution or pyramiding  
Office: 800-221-1111  
www.copyrightyour  
writing.com  
e-mail:  
info@copyright  
writing.com  
(212) 717-3049

## Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

## FORM TX

For a Nondramatic Literary Work  
UNITED STATES COPYRIGHT OFFICE

RPT

TXu 1-259-162

EFFECTIVE DATE OF REGISTRATION

8 12 2005

Month

Day

Year

Register of Copyrights, United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

## TITLE OF THIS WORK ▼

Cisco IOS 12.4

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 12.4 Cisco IOS Version 12.4 Cisco Internetwork Operating System 12.4 Cisco Internetwork Operating System Release 12.4 Cisco Internetwork Operating System Version 12.4

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

## NAME OF AUTHOR ▼

Cisco Systems Inc

Was this contribution to the work a "work made for hire"?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶ United States

## DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  No

If the answer to either of these questions is "Yes" see detailed instructions

Pseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code and documentation

## NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

## DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  No

If the answer to either of these questions is "Yes" see detailed instructions

Pseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

## NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?

 Yes No

## AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

## DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

## WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous?  Yes  No

If the answer to either of these questions is "Yes" see detailed instructions

Pseudonymous?  Yes  No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

## YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

This information must be given  
ONLY if this work has been published.

2005

&lt;Year in all cases. ▶

## DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this Information Month ▶ Year ▶ Nation ▶

&lt;Nation

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc  
170 West Tasman Drive  
San Jose, CA 95134

See Instructions before completing this space

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

## APPLICATION RECEIVED

AUG 12 2005  
ONE DEPOSIT RECEIVEDAUG 12 2005  
TWO DEPOSITS RECEIVED

FUND RECEIVED

DO NOT WRITE HERE  
OFFICE USE ONLYMORE ON BACK ▶ Complete all applicable spaces (numbers 5-9) on the reverse side of this page  
See detailed instructions Sign the form at line BDO NOT WRITE HERE  
Page 1 of 4 pages

EXAMINED BY

FORM TX

CHECKED BY

## CORRESPONDENCE

Yes

FOR  
COPYRIGHT  
OFFICE  
USE  
ONLY**DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes  No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

- a.  This is the first published edition of a work previously registered in unpublished form  
 b.  This is the first application submitted by this author as copyright claimant  
 c.  This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes" give Previous Registration Number ►

TXu1 188 975

Year of Registration ►

2004

5

**DERIVATIVE WORK OR COMPILATION**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a 6

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

See instructions  
before completing  
this space

b

**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

a 7

**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Jason Schroth  
 Cisco Technology Inc  
 170 West Tasman Drive  
 San Jose CA 95134

Area code and daytime telephone number ► (408) 853 7972

Fax number ► (408) 853 7972

Email ► jschroth@cisco.com

b

**CERTIFICATION\*** I, the undersigned, hereby certify that I am the

Check only one

- {  author  
 other copyright claimant  
 owner of exclusive right(s)

or authorized agent of Cisco Technology, Inc

Name of author or other copyright claimant, or owner of exclusive right(s) △

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ► 2005 - Aug - 04

Handwritten signature (X) ▼

X -----

Certificate  
will be  
mailed in  
window  
envelope  
to this  
address

Name ▼ Jason Schroth Intellectual Property Department / Cisco Technology Inc	Complete all necessary spaces Sign your application in space 8
Number/Street/Apt ▼ 170 West Tasman Drive	
City/State/ZIP ▼ San Jose CA 95134	

1. Application form 2. Nonrefundable filing fee in check or money order payable to Register of Copyrights 3. Deposit material	Fees are subject to change. For current fees, consult the Copyright Office Circular at <a href="http://www.copyright.gov">www.copyright.gov</a> or the Copyright Office, 202-707-3000 (202) 707-3000
Library of Congress Copyright Office 101 Independence Avenue, S.E. Washington, D.C. 20559-6000	

17 U.S.C. § 505(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

# CONTINUATION SHEET FOR APPLICATION FORMS

Form 1 /CON  
UNITED STATES COPYRIGHT OFFICE

TXu 1-259-162



KDAB61239162

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
----	-----	----	-----	-----	----	-----	----	-----	----	-----

EFFECTIVE DATE OF REGISTRATION

8      12      2005  
(Month)    (Day)    (Year)

CONTINUATION SHEET RECEIVED

AUG 12 2005

Page 3 of 4 pages

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

**IDENTIFICATION OF CONTINUATION SHEET** This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form )

Cisco IOS 12.4

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA )

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

(See Space C)

**B** Was this contribution to the work a work made for hire ?

- Yes  
 No

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ►  
Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No  
If the answer to either of these questions is Yes see detailed instructions

Continuation of Space 2

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

**e**

Was this contribution to the work a work made for hire ?

- Yes  
 No

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ►  
Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No  
If the answer to either of these questions is Yes see detailed instructions

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed ▼

**NAME OF AUTHOR ▼**

**DATES OF BIRTH AND DEATH**

Year Born▼ Year Died▼

**f**

Was this contribution to the work a work made for hire ?

- Yes  
 No

**AUTHOR'S NATIONALITY OR DOMICILE**

Name of Country

OR Citizen of ►  
Domiciled in ►

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

Anonymous?  Yes  No  
Pseudonymous?  Yes  No  
If the answer to either of these questions is Yes see detailed instructions

**NATURE OF AUTHORSHIP** Briefly describe nature of the material created by the author in which copyright is claimed ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA

**CONTINUATION OF (Check which)**  Space 1  Space 4  Space 6  Space 2b

C

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo- nymous	Nature of Contribution	Continuation of other Spaces
Bryson Technologies Inc	Yes	United States	Yes	No	Documentation	
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Data Connection Ltd	Yes	United States	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code & Documentation	
Infosys	Yes	India	Yes	No	Computer Code	
Lasselle Ramsay	Yes	United States	Yes	No	Documentation	
Manpower	Yes	United States	Yes	No	Computer Code	
Mindtree Consulting	Yes	India	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Documentation	
PD Communications	Yes	United States	Yes	No	Documentation	
Preferred International	Yes	United Kingdom	Yes	No	Computer Code	
QSolv Inc	Yes	United States	Yes	No	Computer Code	
Red Oak Technologies	Yes	United States	Yes	No	Documentation	
Second Foundation Inc	Yes	United States	Yes	No	Computer Code	
Tata Elxsi Limited	Yes	India	Yes	No	Computer Code	
Technology Solutions	Yes	India	Yes	No	Computer Code	
Vante Inc	Yes	United States	Yes	No	Computer Code	
WIPRO	Yes	India	Yes	No	Computer Code	

Certificate  
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Name ▼

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

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# Certificate of Registration



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**Registration Number**  
**TX 7-938-524**

**Effective date of registration:**

November 28, 2014

*Maria A. Pallante*

Register of Copyrights, United States of America

**Title**

**Title of Work:** Cisco IOS 15.0

**Previous or Alternative Title:** Cisco IOS Release 15.0

Cisco IOS Version 15.0

Cisco Internetwork Operating System 15.0

Cisco Internetwork Operating System Release 15.0

Cisco Internetwork Operating System Version 15.0

Cisco Internetwork Operating System Software Release 15.0

Cisco IOS Software Release 15.0

**Completion/Publication**

**Year of Completion:** 2009

**Date of 1st Publication:** October 1, 2009

**Nation of 1st Publication:** United States

**Author**

■ **Author:** Cisco Systems, Inc.

**Author Created:** text, computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Bard na nGleann

**Author Created:** text

**Work made for hire:** Yes

**Citizen of:** Ireland

**Domiciled in:** Ireland

■ **Author:** AAP3, Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United Kingdom

**Domiciled in:** United Kingdom

■ **Author:** Aerotek, Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** HCL Technologies Limited

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** Infobahn Softworld Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Infosys Technologies Ltd.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** KForce Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Ma Foi Management Consultants Ltd.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** Randstad

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Wipro Limited

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

**Copyright claimant** \_\_\_\_\_

**Copyright Claimant:** Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

**Transfer Statement:** By written agreement

## **Limitation of copyright claim**

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**Material excluded from this claim:** Prior works by claimant and preexisting third party computer code

**Previous registration and year:** TXu1-259-162 2005

**New material included in claim:** New and revised computer code and accompanying documentation

## **Certification**

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**Name:** Joshua L. Simmons, Esq.

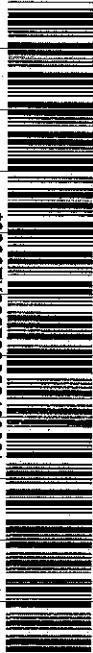
**Date:** November 12, 2014

**Applicant's Tracking Number:** 41593-0036

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**Registration #:** TX0007938524

**Service Request #:** 1-1840007632



\*0000TX00079385240202\*

Kirkland & Ellis LLP  
Joshua L. Simmons  
601 Lexington Avenue  
New York, NY 10022 United States

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**Registration Number**

**TX 7-938-525**

**Effective date of registration:**

November 28, 2014

*Maria A. Pallante*

Register of Copyrights, United States of America

## Title

**Title of Work:** Cisco IOS 15.1

**Previous or Alternative Title:** Cisco IOS Release 15.1

Cisco IOS Version 15.1

Cisco Internetwork Operating System 15.1

Cisco Internetwork Operating System Release 15.1

Cisco Internetwork Operating System Version 15.1

Cisco IOS Software Release 15.1

Cisco Internetwork Operating System Software Release 15.1

## Completion/Publication

**Year of Completion:** 2010

**Date of 1st Publication:** March 26, 2010

**Nation of 1st Publication:** United States

## Author

**Author:** Cisco Systems, Inc.

**Author Created:** text, computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

**Author:** Bard na nGleann

**Author Created:** text

**Work made for hire:** Yes

**Citizen of:** Ireland

**Domiciled in:** Ireland

**Author:** Aerotek, Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** HCL Technologies Limited

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** Infosys Technologies Ltd.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** KForce Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Larsen & Toubro Infotech Ltd.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** Prolific Minds Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Simplion Technologies Inc.

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Wipro Limited

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** India

**Domiciled in:** India

■ **Author:** Cisco Technology, Inc.

**Author Created:** text, computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

**Copyright claimant** —————

**Copyright Claimant:** Cisco Technology, Inc.  
170 W. Tasman Drive, San Jose, CA, 95134, United States

**Transfer Statement:** By written agreement

### **Limitation of copyright claim**

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**Material excluded from this claim:** Prior works by claimant and preexisting third party computer code

**Previous registration and year:** Pending 2014

**New material included in claim:** New and revised computer code and accompanying documentation

### **Certification**

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**Name:** Joshua L. Simmons, Esq.

**Date:** November 12, 2014

**Applicant's Tracking Number:** 41593-0036

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**Registration #:** TX0007938525

**Service Request #:** 1-1842583852



Kirkland & Ellis LLP  
Joshua L. Simmons  
601 Lexington Avenue  
New York, NY 10022 United States

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Registration Number

**TX 7-937-159**Effective date of  
registration:

November 24, 2014

Register of Copyrights, United States of America

**Title**

Title of Work: Cisco IOS 13.2

Previous or Alternative Title: Cisco IOS Release 15.2

Cisco IOS Version 15.2

Cisco Internetwork Operating System 15.2

Cisco Internetwork Operating System Release 15.2

Cisco Internetwork Operating System Version 15.2

Cisco IOS Software Release 15.2

Cisco Internetwork Operating System Software Release 15.2

**Completion/Publication**

Year of Completion: 2011

Date of 1st Publication: July 22, 2011

Nation of 1st Publication: United States

**Author**

\* Author: Cisco Systems, Inc.

Author Created: text, computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Bard na nGleann

Author Created: text

Work made for hire: Yes

Citizen of: Ireland

Domiciled in: Ireland

\* Author: Aerotek, Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Aricent Technologies Mauritius Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: Mauritius

Domiciled in: Mauritius

\* Author: HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: KForce Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Prolific Minds Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Randstad

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Tata Consultancy Services Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: Wipro Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

**Author:** Cisco Technology, Inc.

**Author Created:** text, computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

### **Copyright claimant**

**Copyright Claimant:** Cisco Technology, Inc.

170 W. Tasman Drive, San Jose, CA, 95134, United States

**Transfer Statement:** By written agreement

### **Limitation of copyright claim**

**Material excluded from this claim:** Prior works by claimant and preexisting third party computer code

**Previous registration and year:** Pending 2014

**New material included in claim:** New and revised computer code and accompanying documentation

### **Certification**

**Name:** Joshua L. Simmons, Esq.

**Date:** November 12, 2014

**Applicant's Tracking Number:** 41593-0036

Registration #: TX0007937159

Service Request #: I-1842634112



Kirkland & Ellis LLP  
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601 Lexington Avenue  
New York, NY 10022 United States

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**Registration Number**  
**TX 7-938-341**

**Effective date of registration:**

November 26, 2014

Register of Copyrights, United States of America

### Title

**Title of Work:** Cisco IOS 15.4

**Previous or Alternative Title:** Cisco IOS Release 15.4

Cisco IOS Version 15.4

Cisco Internetwork Operating System 15.4

Cisco Internetwork Operating System Release 15.4

Cisco Internetwork Operating System Version 15.4

Cisco IOS Software Release 15.4

Cisco Internetwork Operating System Software Release 15.4

### Completion/Publication

**Year of Completion:** 2013

**Date of 1st Publication:** November 24, 2013

**Nation of 1st Publication:** United States

### Author

■ **Author:** Cisco Systems, Inc.

**Author Created:** text, computer program

**Work made for hire:** Yes

**Citizen of:** United States

**Domiciled in:** United States

■ **Author:** Aricent Technologies Mauritius Limited

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** Mauritius

**Domiciled in:** Mauritius

■ **Author:** China International Intelletech Corporation

**Author Created:** computer program

**Work made for hire:** Yes

**Citizen of:** China

**Domiciled in:** China

\* Author: embedUR Systems (I) Private Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: Ensoft Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: United Kingdom

Domiciled in: United Kingdom

\* Author: Gentek Technology Co., Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: Chinese Taipei (Taiwan)

Domiciled in: Chinese Taipei  
(Taiwan)

\* Author: HCL Technologies Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: Infosys Technologies Ltd.

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India

\* Author: Paxterra Solutions Inc.

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Randstad

Author Created: computer program

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

\* Author: Scarlet Wireless India Private Limited

Author Created: computer program

Work made for hire: Yes

Citizen of: India

Domiciled in: India